

The need for strengthening health information dissemination towards indoor residual spraying for malaria prevention in malarious area of Ethiopia

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Appendix 1 Questionnaire used to collect data about determinants of community acceptance of indoor residual spraying (IRS) for malaria prevention in Shewa Robit town, Northeastern Ethiopia

Questionnaire ID _____

Name of the data collector _____Signature_____Date ____/____/ 2021

Name of the supervisor _____Signature _____Date ____/____/2021

Part 1: Socio-demographic characteristics of the study population (N=649) in Shewa Robit town, Northeastern Ethiopia, 2021			
S/no	Question	Response	Remark
1.	Age?	_____years	
2.	Sex?	1=Female 2= Male	
3.	Status in household?	1= Wife 2= Husband	
4.	Household size?	1 = 1-5 years 2= >5 years	
5.	Marital status?	1= married 2= unmarried	
6.	Educational status?	1= No formal education 2= Elementary (1-8 grade) 3= High school (9-12	

		grade) and above	
7.	Occupation?	1= Farmer 2= Merchant 3= Government employee 4= others business	

Part 2: Knowledge of the study participants about malaria, Northeastern Ethiopia, 2021

8.	Heard about malaria?	0= No 1= Yes	
9.	Know breeding site of mosquitoes?	0= No 1= Yes	
10	Malaria is endemic in Shewa Robit?	0= No 1= Yes	
11	Mode of transmission?	0= Anopheles mosquito 1= Others	
12	IRS prevents malaria?	0= No 1= Yes	
13	Malaria affects all age groups?	0= No 1= Yes	

Part 3: Perception ad practice towards of IRS among communities of Shewa Robit town, Northeastern Ethiopia, 2021

14	Received information before the spraying season?	0= No 1= Yes	
15	Think the spraying season was the right time?	0= No 1= Yes	
16	Effectiveness of IRS for malaria prevention and control?	0= No 1= Yes	

17	Presence of adequate water for IRS?	0= No 1= Yes	
18	Side effect?	0= No 1= Yes	
19	Did not re-plaster or paint after spraying?	0= No 1= Yes	
20	Use of Long Lasting Insecticide treated Nets (LLINs)?	0= No 1= Yes	
Part 4: IRS acceptance among the study participants in Shewa Robit town, Northeastern Ethiopia, 2021			
21	Sprayed the house in the previous round?	0= No 1= Yes	
22	Bad smell of insecticide did not affect to spray the house?	0=No 1= Yes	
23	Think spraying is beneficial?	0= No 1= Yes	
24	Sprayers are trustful to inter into the house to spray?	0=No 1=Yes	
25	Agree not to re-plaster and paint?	0= No 1= Yes	
26	IRS is preferred method of malaria prevention and control?	0= No 1=Yes	
27	IRS reduces the nuisance of mosquitoes?	0= No 1=Yes	
28	IRS reduces the chance of getting malaria?	0= No 1=Yes	

29	Willingness to spray next season?	0= No 1=Yes	
Part 5: Reason for IRS refusal (N=282) in Shewa Robit town, Northeastern Ethiopia, 2021 (more than one possible answers)			
30	Unpleasant odors/ Bad smell?		
31	Difficult to take the furniture outside?		
32	Food contamination?		
33	Did not know spraying season?		
34	Side effect		